

**Fig. 1****SEQ ID NO: 1**

GCTCGCGAATGTAGCAGGCGCCCAAGCTCGGT CCTCAAGAAGCCATGGCGG  
AATCCAGGGGCCGTCTGTACCTTGGATGTGCTTGGCTGCGCTGGCATC  
TTTCCTGATGGGATTATGGTGGCTGGTTATTAAGCCTCTCAAAGAAACA  
ACCACTTCTGTGCGCTATCATCAAAGTATA CGGTGGAAACTGGTATCCGAAA  
TGAAAGCTGAAAACATCAAATCATTCTCGTCTTTACAAAGCTTCCTCA  
TCTGGCAGGAACAGAACAAAATTCTTGCCTGCCAAGAAAATCCAAACCCAG  
TGGAAGAAATTGGACTAGATT CAGCCAAGTTGGTT CATTATGATGTCCCTCT  
TATCTTACCCCAATGAGACAAATGCCA ACTATATATCGATTGTGGATGAACA  
TGAAACTGAGATTTCAAAACATCATA CTTGAACCACCAC CAGATGGCTAT  
GAGAATGTTACAAATATTGTGCCACCATA TATGCTTCTCAGCCCAGGCA  
TGCCAGAGGGAGATCTTGTATATGTGA ACTATGCTCGCACTGAAGACTTTTT  
CAA ACTAGAAAGAGAGATGGGCATCAACTGTACTGGGAAGATTGTTATTGCA  
AGATATGGAAAAATCTTCAGAGGAAATAAGTTAAAATGCCATGTTAGCAG  
GAGCCATAGGAATCATCTTGTACTCAGATCCAGCTGACTACTT GCTCCTGA  
GGTACAGCCATATCCCAAAGGATGGAATCTCCTGGAACTGCAGCCCAGAGA  
GGAAATGTGTTAAATTGAATGGT GCTGGTACCCACTCACTCCAGGCTATC  
CAGCAAAAGAATACACTT CAGACTTGATGTTGAAGAAGGAGTGGGAATCCC  
CCGAATA CCTGTACATCCCATTGGATATAATGATGCAGAAATATTATTACGC  
TACTTGGGAGGAATTGCTCCACCA GATAAGAGTTGGAAGGGAGCCCTTAATG  
TGAGTTATAGTATCGGACCTGGCTTACAGGGAGTGATTCTTCAGGAAGGT  
TAGAATGCATGTTATAACATCAATAAAATTACAAGGATTACAATGTAGTT  
GGA ACTATCAGAGGATCTGTGGAACCTGACAGGTATGTTATTCTGGGAGGTC  
ACCGGGACTCCTGGGTATTGGAGCTATTGACCCAACCAGTGGGTTGCTGT  
TTTGCAGAAATTGCCCGGAGTTGGAAA ACTGATGAGTAAAGGCTGGAGA  
CCTAGAAGAACTATCATTTCAGCTGGGATGCAGAAGAATTGGACTTC  
TGGGTTCCACAGAATGGGCTGAGGAGAATGTCAA AACTCCAGGAGAGAAG  
CATTGCTTATATCAACTCGGATT CATCTATAGAAGGCAATTATACTCTCAGA  
GTTGACTGTACTCCCCTTACCAATTAGTGTATAAAACTGACAAAAGAGA  
TCCCCAGCCCTGATGATGGGTTGAGAGTAAATCACTGTATGAAAGCTGGTT

GGAAAAAGACCCTCACCTGAAAATAAAATTGCCTAGAATCAATAAGCTG  
GGATCTGGAAGTGACTTGAAGCTTATTCAGAGACTGGAATTGCTTCAG  
GCAGAGCCCGTTACACTAAGAATAAGAAAACAGATAAGTACAGCAGCTACCC  
AGTGTACCACACAATTATGAGACATTGAATTGGTAGAGAAATTATGAC  
CCCACATTAAAAAACAACTTCTGTGGCTCAATTACGGAGGAGCACTGGTAT  
ATGAGCTTGTGGATTCTAAAATCATTCTTTAATATTCAAGACTATGCAGA  
AGCTTGAAAAACTATGCAGCAAGTATCTATAATCTATCTAAGAAACATGAT  
CAACAATTAAACAGACCATGGAGTATCATTGACTCCTTATTTCTGCTGTGA  
AAAACCTCTCAGAGGCTGCTCAGATTTCATAAACGACTTACAAGTTGA  
TCTTAACAATCCCATTGCAGTGAGAATGATGAATGACCAACTGATGCTCCTG  
GAAAGAGCATTGATCGATCCTCTGGTTACCAGGAAAGCTGTTCTATAGGC  
ACATCATATTTGCTCCAAGTAGCCACAACAAATATGCTGGAGAATCATTCC  
TGGAAATCTATGATGCTATCTTGATATTGAAAATAAGCCAACCTCGTTG  
GCCTGGAAAGAAGTAAAGAAACATATTCTATTGCAGCTTTACAATTCAAG  
CAGCAGCAGGAACCTGAAAGAAGTATTATAGAAGGTCTCAAGTGGCTAGCC  
ATTAAAGGTGTTGCTAAAAGTCTGAGGATAAAATTCACCTTCTGATAACTT  
ATGAAGCCAGGGTGTCTAAACTCTTTCATGTCATGTTGATTATAGGCT  
TTGGTCTTTCATCTGCAAAGCCTTTTTGCTCTTAAAAGTTAAT  
AATTATATTAGCAAAGTGTAAATCTAATGAAGTAAAAACTCCTGTGGCA  
GAAAGTAAAAGAAAATTCCCTAAATTATAGCAAGGAACATGAATTCTCAGAC  
ATTGTGAGTGTGGGAATGTAAAATGGTAAAATCACTTTGAAAACAGTTGG  
CAGTTCTATAAGTTAACATACACTTTACTTAGGACTCCAGAATTCC  
ACTTCTAGTTATTCAAGAGAAGGAAAAACAATGATCACAGCAAACTT  
GTATGCATGTTCATGCAACTTAAAAGCGTAAAACCCCAAATGTCCATCCA  
CAGACGAATGTATAACTGTGGTATCCATTACACAATAGACTACTTACT  
CAGCAATAAAATGAAGTAACTTCAATAAAATGCAATATTATTGGCAGACAT  
TGTGAAAGGAAAAAGCCAGACAAACAACATACATAAAATATGTTCTATT  
GATGAAGTGGCAAACTAATCTGTAGTGTAAAAATTAGATTAGTGAATTGCCT  
GGGCCAAGTGGCAGGTTGGGAGGGATGGCTGCAAAGAAGTATGAGGAAACTT  
TCTCCAATAGATGAGAATTTCGGTATCTGATCTGAGTGGCAAATTGTAAA

CTTAAAATATATATAAATTTATTGAAAGAAAATTAAGCCTCAATAACGTG  
ATTATAAAAAAAAAAAAAAGGGCGGCCGC

**Fig. 2**

**SEQ ID NO: 2**

MAESRGRLYLWMCLAAALASFLMGFMVGWFIKPLKETTSVRYHQSIRWKLV  
SEMKAENIKSFLRSFTKLPHLAGTEQNFLAKKIQTQWKFKGLDSAKLVHYD  
VLLSYPNETNANYISIVDEHETEIFKTSYLEPPPDGYENVTNIVPPYNFSA  
QGMPEGDLVYVNYARTEDFFKLEREMGINCTGKIVIARYGKIFRGNKVKNAM  
LAGAIGIILYSDPADYFAPEVQYPKGWNLPGTAAQRGNVLNLNGAGDPLTP  
GYPAKEYTFRLDVEEGVGIPRIPVHPIGYNDAEILLRYLGGIAPPDKSWKGA  
LNVSYSIGPGFTGSDSFRKVRMHVNINKITRIYNVVTIRGSVEPDYVIL  
GGHRDSWVFGAIDPTSGVAVLQEIAIRSFGLMSKGWRPRRTIIIFASWDAEEF  
GLLGSTEWAENVKILQERSIAYINSDSSIEGNYTLRVDCTPLLYQLVYKLT  
KEIPSPDDGFESKSLYESWLEKDPSHENKNLPRINTLGSFSDFEAYFQRLGI  
ASGRARYTKNKTDKYSSYPVYHTIYETFELVEKFYDPTFKKQLSVAQLRGA  
LVYELVDSKIIIPFNIQDYAEALKNYAASIYNLSKKHDQQLTDHGVSFDLFS  
AVKNFSEAASDFHKRLIQVDLNNPIAVRMMNDQLMLLERAFIDPLGLPGKLF  
YRHIIIFAPSSHNKYAGESFPGIYDAIFDIENKANSRLAWKEVKKHISIAAFT  
IQAAAGTLKEVL

**Fig. 3**

**SEQ ID NO: 3**

5' -gccgtctgtacccatggatg-3'

**Fig. 4**

**SEQ ID NO: 4**

5' -agccaccataaatcccattc-3'

**Fig. 5**

**SEQ ID NO: 5**

5' -ctgctgcgtggcatcttcct-3'